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About Your System

Congratulations on your purchase of this state-of-the-art vehicle security system. With proper installation this system will provide superior protection and performance for many years to come.

What is included:

- A control module
- 2-way pager transceiver antenna
- One 5-button 2-way LCD remote transmitter
- One 3-button or 4-button random code remote transmitter
- Dual stage shock sensor
- High output 6-tone siren (optional)
- Status LED indicator
- Valet over-ride switch

Options and Accessories:

This system includes several optional inputs and outputs allowing the creation of a completely personalized security and convenience system by offering many optional features such as:

- 2nd stage door unlock
- Horn honk output
- 2 pulse signal door unlock
- Engine turbo time mode
- Check range notification
- Arm/disarm chirp on/off
- Window close control
- Anti car-jack by door switch
- Power trunk/hatch release
- Glass breakage sensor
- Micro-wave detector
- Back-up battery sirem

*Many require additional parts and/or labor, see store for details

NOTE:

Some of the features described in this manual may required additional parts and/or labor, and may not be included as part of the standard installation of this unit. Additionally, many features of this security system have selectable options that must be activated or programmed during the system's installation. These items will be identified in the following sections. Please discuss these features and any questions you may regarding the installation of this product with your authorized dealer.

System maintenance

The system requires no specific maintenance other than battery replacement for the remotes.

LCD 2-Way Remote Battery Replacement

The 2-way remote is powered by a 1.5V AAA battery. The Battery Level indicator has three level indicators that serve as a visual indication of battery charge. When the battery reaches a low charge level that requires replacement, the transceiver will generate a single notification chirp, and the Battery Level indicator will flash continuously.

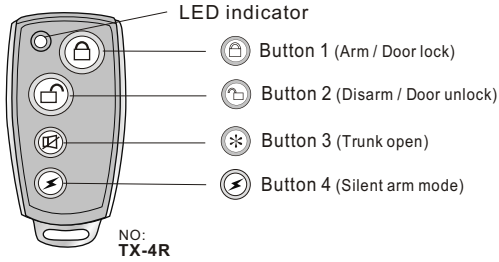
To replace the battery, gently pull the battery cover release tab, then slide the door down to expose the battery and remove the expired battery. Place the new battery into the transceiver observing the correct polarity. When power is returned the transceiver will light all icons in the LCD and generate all beeper tones once.

3 & 4-Button Remote Battery Replacement

Your remote is powered by a 12V A27 that will last approximately one year under normal use. When the battery begins to weaken, operating range will be reduced and the LED on the remote will dim.

LCD 2-Way configuration

1-Way Remote Transmitter Description

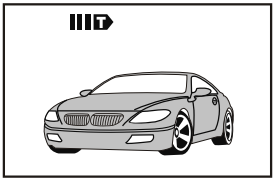


2-way & 1-way Remote Function Table:

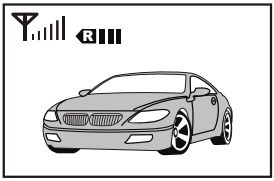
Functions	Step	Condition
Arm and door lock	Press once	Disarmed & ACC off
Arm without siren chirp	Press once then within 3sec. press once	Disarmed & ACC off
Disarm and door unlock	Press once	Armed
Disarm without siren chirp	Press once then within 3sec. press once	Armed
Trunk open	Press over 2sec	Any time
Anti car-jack mode	Press + together over 2sec..	ACC ON
Panic mode	Press over 2sec.	Armed
Car search mode	Press once after 8sec. of armed	Armed
1st stage sensor bypass	Press once within 8sec. of armed	Armed
2nd stage sensor bypass	Press once within 8sec. of armed	Armed
Valet mode	Press + together over 2sec.	ACC ON
Status check & Back light	Press I once	
Remote button 1.2.3 on/off	Press I over 2sec.	
Silent arm mode	Press II once. & Press 1-way once.	Disarmed
Enable check-in range	Press II once within 8sec. of armed.	Armed
Vibrate mode on/off	Press II over 2sec.	
Disable remote receiving	Press I + II together over 2sec.	
Time adjust mode	Press + I together over 3sec.	
Alarm clock setup	Press + II together over 3sec.	

Standard LCD 2-way icon instructions

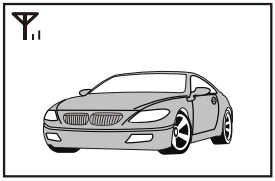
Remote transmitting a signal.



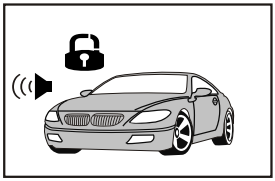
Check-in range turn ON status.



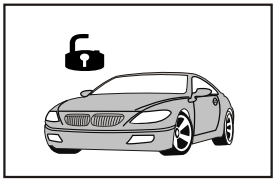
Weak signal notification.



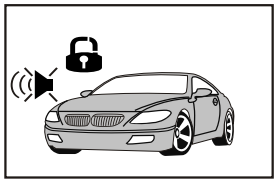
System Armed.



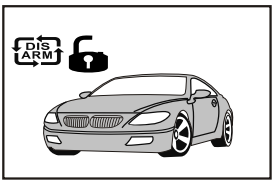
System Disarmed.



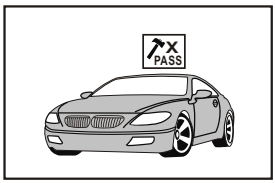
Silent Armed.



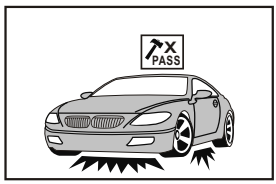
Passive arming &
Auto re-arming mode.



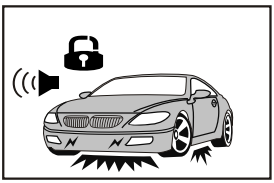
1st-stage sensor bypass.



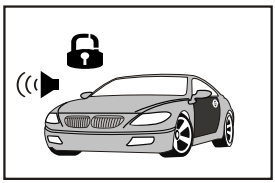
2nd-stage sensor bypass.



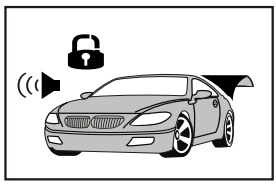
Panic mode.



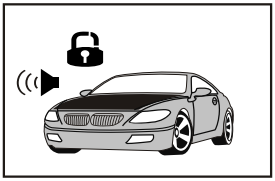
Door open when armed.



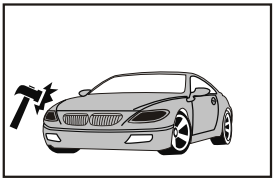
Trunk open when armed.



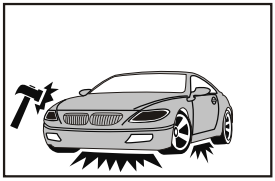
Hood open when armed.



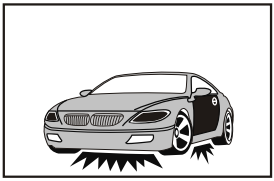
1st stage sensor triggered.



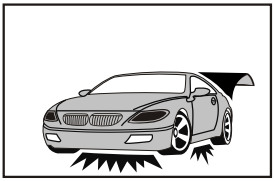
2nd stage sensor triggered.



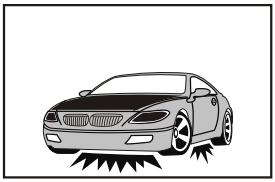
Door switch triggered.



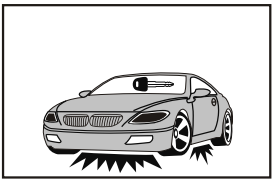
Trunk switch triggered.



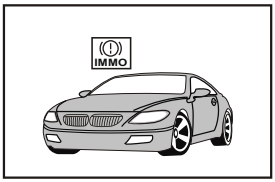
Hood switch triggered.



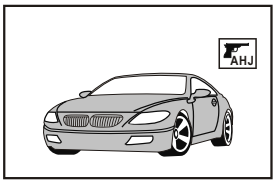
Ignition switch triggered.



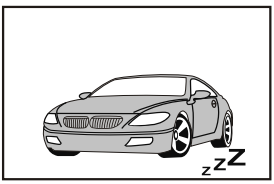
Passive immobilizer mode.



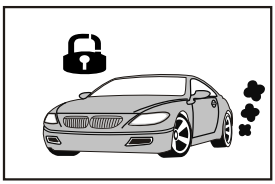
Anti car-jacking mode.



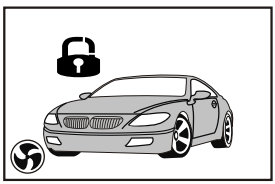
Valet mode.



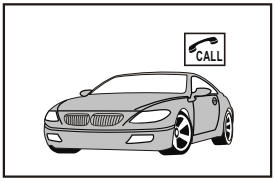
Arm W/engine running mode.



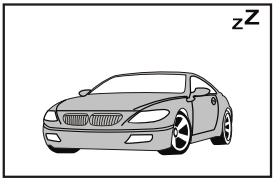
Turbo mode.



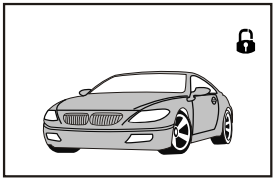
Call / page mode.



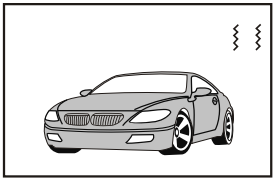
2way receiving OFF mode.



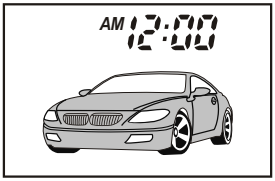
2way button OFF mode.



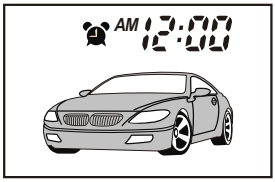
2way Vibration mode.



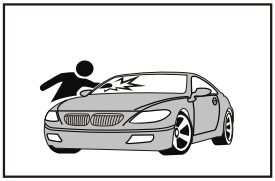
2way time display.



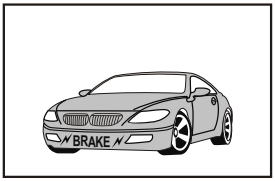
Alarm clock.



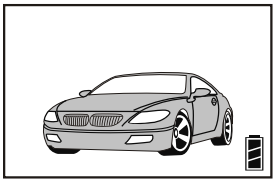
Extra sensor triggered.
(Knock sensor) optional



Hand brake indication.
(Optional for starter model)



2way battery level indication.

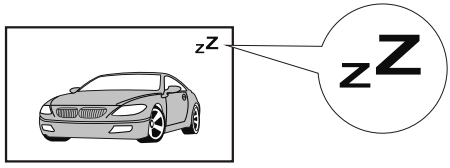


Programming 2-way remote

Disable remote receiving

You may turn off the 2-Way remote receiving signal from the main unit. Press button Ⓘ + Ⓘ simultaneously for 2sec. until one long beep is heard. Remote receiving is now disabled. To turn on receiving again, Press button Ⓘ + Ⓘ simultaneously until two long beep is heard, remote receiving is now enable.

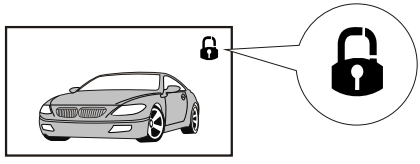
2-way LCD display:



2way remote button ON/OFF

For safety purpose, this 2-way remote can be lockout the remote button in order not to mis-touched the buttons. Press button Ⓘ for over 2sec. until one beep is heard, remote button is now locked. To turn on remote button, press button Ⓘ for over 2sec. until two beeps is heard, remote button is now unlocked.

2-way LCD display:

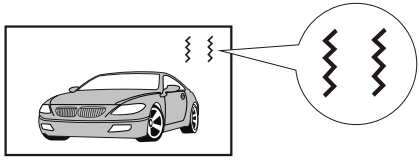


Vibrate mode on/off

Press button Ⓘ for over 2sec. the 2-way remote will respond tone & vibrate feature, the button Ⓘ pressing 2sec. will change the feature, see under table:

Beeps	Vibrations	2-way remote feature
1-beep	1-time	Remote with tone and vibration
——	1-time	Remote with vibration only
1-beep	——	Remote with tone only

If set with vibration only the 2-way LCD will display :



Time adjust mode

Besides operating for alarm functions, LCD remote control additionally provides 12-hour clock, alarm clock.

Instructions:

1. Press and hold Button ✻ + I for 3sec. to enter time-setup mode, 1 beep will be heard.

2. Press button ✻ to select Hour & Min adjust setting. Icon flashing to indicate.

3. Press button ⏍ to turn up the numbers. Press button ⏍ to turn down the numbers. The button may be held down to scroll faster.

4. Press button I to exit the setting mode. 2 beep will be heard.

Note: The remote will revert to normal operation from the set mode when 10-seconds has elapsed without a button entry.

Alarm clock setting

This function useful to warning the user by pre-setting alarm clock time, if setting time up, the LCD remote will give beep sound for 1 minutes. (Press any button once will stop beep).

Instructions:

1. Press button ✻ + II for 3sec. To enter alarm clock time-setup mode, 1 beep sound will be heard and alarm clock icon flashing:

2. Press button ✻ to select Hour & Min adjust setting. Icon flashing to indicate.

3. Press button ⏍ to turn up the numbers. Press button ⏍ to turn down the numbers. The button may be held down to scroll faster.

4. Press button I to enable the alarm clock. 1 beep will be heard and exit the mode.
Press button II to disable the alarm clock. 2 beep will be heard and exit the mode.

Note: The remote will revert to normal operation from the set mode when 10-seconds has elapsed without a button entry.

2-way signal paging features

A page is the signal the control module sends to the remote controls confirmation of receipt of a command or alarm system status. When the remote control receives a page it will generate a page notification to the user (notifications are audible beeps) and the LCD Icons will display the current system status.

Command Page

When a command (arm/disarm, or auxiliary channel) from the remote control is sent and received, the system will send a command page back to confirm receipt.

Alarm Page

If the alarm system is triggered while armed, an Alarm Page will be sent to the remote control. When the remote receives an Alarm Page, the LCD icons will display the alarm system status information and the remote control will generate beeps.

Display	Beeps	Vibrations	Trigger
	5 short	1 times	1st stage-Sensor warning
	Melody 1	1 times periodically	2nd stage-Sensor triggering
	Melody 2	2 times periodically	Trunk switch triggering
	Melody 3	3 times periodically	Door switch triggering
	Melody 4	4 times periodically	Hood switch triggering
	Melody 5	5 times periodically	Ignition triggering

Page Recognition (Acknowledgement)

To clear a page alert/notification, quickly press any button on the remote control. This can be performed at any time during or after the page notification has occurred.
The remote control will not send a command to the system at this time; it will only clear future repeats of the page notification. The next time a button is pressed on the remote control it will send a command to the system.

Check-in range notification (on/off)

Arming the system within 8-seconds, press button Ⅱ once on the 2way remote , the system will enable this Check- in range function.

The 2way remote will respond: Icon will on for 2sec. and give 1 beep sound to indicate the function has been turned ON.

- With in 5 minutes, the 2-way remote will than give 1 beep sound every one minute for 5 cycles to remind the user within range.
- After 5 minutes , the Antenna icon will indicates under receiving status:

Full reception

Half reception

Weak signal

Non reception (flashing icon)

For friendly usage, the 2-way remote will provide 2 beeps/ 3cycles and flashing icon after 35 minutes if the user is out of the receiving rage. However, afterwards if the 2-way remote detect the signal again from the system, 1 beep sound will be provided and flashing icon will be ON to indicate the 2-way remote is within range.

Note: If under Check-in range mode, if alarm triggered, this function will automatically turn off (disable).

Reminder disarm status (Programmable)

If programmed with " 1way reminder disarm status to 2way" feature , this function will reminder disarm status if disarming by 1-way remote control. The 2-way remote will display disarm icon and give 2 beep sound .

Vehicle status checking

The 2-Way remote offer the feature to check the current status of the car, simply press button Ⅰ once within proper operation range. The main unit will send the signals to the 2-Way remote about the vehicle current status.

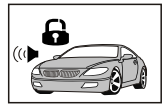
Turn on LCD display back light

Simply press button Ⅰ once, the back light of LCD display will turn on 5 seconds and also check the vehicle status.

STANDARD FEATURES:

- To ARM the system:

To arm your system within proper operation range, simply press button once (while system in disarmed or Acc off position) . The system will respond one siren chirp, one lights flash, doors lock, disable engine starter, LED will begin flashing quickly until all sensor inputs are active - LED will start blinking slowly (flash once per second) to indicate the system is in full armed.

2-way LCD display:  + One beep sound

- Defective Zone Bypass & Alert:

If the security system is armed at the same time that an input is active (such as a door opening or hood / trunk opening), you will hear one siren chirp to indicate arming and after 8 seconds a second siren chirp to indicate Bypass Notification. A Bypass Notification chirp means that the security system ignores the input that was active when the system was armed, until that input ceases.

Defective zone	Siren chirps	2-way beeps	2-way LCD indicator
Door opened	3 chirps	1 long + 3 short	
Trunk opened	4 chirps	1 long + 4 short	
Hood opened	5 chirps	1 long + 5 short	

Note: You may press 2-way remote button (I) once to check again which zone is not closed.

- Auto Reset:

If a violation occurs the system will respond by sounding the siren and flashing the lights for approximately 30sec. before the system resets itself and continues to protect your car. If violation still occurs the system, siren and lights will working for 8 cycles then the system reset itself and continues to protect other zones.

- Arm without siren chirp :

You may temporarily to arm your system without siren chirp , to operate it by simply press button (✻) once then within 3sec. press button once.
The system will armed and without one siren chirp,
Note: this features is only activated under the system is in disarmed and Acc off position,.

- To DISARM the system :

To disarm your system within proper operating range, simply press button ⓐ once (while system in arm position). The system will respond two siren chirp, two light flash, doors unlock, Enable your engine starter, LED off.

2-way LCD display : + Two beep sound

- Intrusion Alert:

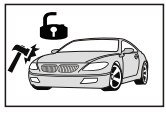
Upon disarming the system, if the vehicle is attempted or intruded, siren and lights will Indicates 4 chirps and 5 flashes to identify which zone was triggered. LED mode indicates the following different triggering.

	flash 2 times after a pause	Sensor 1st-stage triggered
	flash 3 times after a pause	Sensor 2nd-stage triggered
	flash 4 times after a pause	Door switch triggered
	flash 5 times after a pause	Trunk switch triggered
	flash 6 times after a pause	Hood switch triggered
	Flash 7times after a pause	Ignition switch triggered

- 2-way LCD Intrusion Alert:

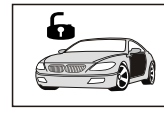
Upon disarming the system, if the vehicle is attempted or intruded, the 2-way remote will respond 2 short beep follow with melody sound, and LCD display will indicates different icons as under:

1st-stage sensor triggered

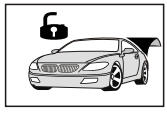


2nd-stage sensor triggered

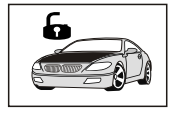
Door switch triggered



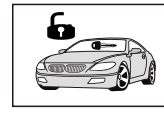
Trunk switch triggered



Hood switch triggered



Ignition switch triggered



Note: Before the ignition turn on, you may realized again which zone been triggered by press ⓘ button (status check) once, the LCD will display triggered zone again.

- Disarm without siren chirp :

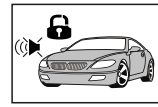
To disarm your system without siren chirp, simply press button ✻ once then within 3sec. press button 🔓 once.

Note: this features is only activated under the system is in armed position,.

- Silent arm mode :

The system provide a feature to turn OFF the siren, simply press 2-way button Ⅱ of press 1-way button ⚡ once (while system in disarmed or Acc off position). The system will respond one lights flash, doors lock, disable engine starter, LED will begin flashing quickly until all sensor inputs are active - LED will start blinking slowly (flash once per second) to indicate the system is full armed.

2-way LCD display:



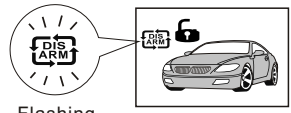
+ One beep sound

Note: Under Silent Arm mode, if Sensor, Door, Hood or trunk been triggered, the siren will not activated, but if Ignition been triggered will activated the siren.

- Automatic REARM (programmable):

If the system is disarmed by remote and a door is not opened within approximately 30 seconds the system will automatically rearm itself. This feature guards against disarming caused by accidental or unintended operation of the remote transmitter. Main unit will sends signal to the 2-Way LCD remote and indicates ARM mode with one beep sound.

2-way LCD display:



Flashing

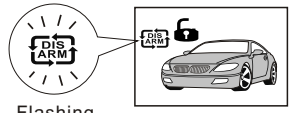
Flashing icon to indicate that the system is in Auto re-arming mode.

- Passive arm (programmable):

If set programme mode to **"WITH"**, while turn Ignition OFF, then close the last door, system will provide 2 siren chirp and 2 light flash and LED flashing fast to indicated that the system is in passive arming mode. After 30sec. The system will arm by itself and LED flashing slowly to show the system is in arming mode. Main unit sends the signal to the 2-Way LCD remote and indicates ARM mode with one beep sound.

This system also provide under passive arming with door lock or without door lock feature (please see "programme mode" features.) During the period of 30sec. passive arming, if a door is opened, Led will light on and it will re-passive arming when the door closed again.

2-way LCD display:



Flashing

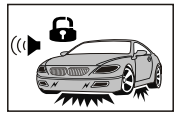
Two beep sound will provided to to indicate that the system is in Passive arm mode.

- Panic mode:

If you are threatened in or near your vehicle, you can attract attention by press button for 2sec. system will triggering for 30sec. To stop Panic mode at any time, simply press any button once.

Note: if Panic mode activate in disarmed position, the 2-way remote will respond melody sound and LCD indicates flashing icons as under:

2-way LCD display:



Under Panic mode, the 2-way remote will respond melody sound and flashing icons .

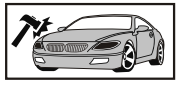
- Dual stage shock sensor:

This device only activates after 8 seconds of arming state; this is preventing from the weak impact caused by the driver while leaving the car.

The device operates:

-**Light impact** will activate the 1st stage sensor by giving 5 short warning chirps. 2-way remote will respond 5 beeps and flashing icon as under.

2-way LCD display:



+ 5 beeps sound

Note: This paging feature is can be programmed to With or Without.

-Heavy impact will activate the 2nd stage sensor and trigger the alarm for 30sec. 2-way remote will respond melody and flashing icon as under.

2-way LCD display:

+ Melody sound

NOTE: Adjustments are made via the rotary control above the shock sensor.

- Remote sensor by pass :

This system offer 2stage sensor optional. Within 8sec. after set arming, to press button once , the system will give 2 short chirps and 2 lights flash, thus the 1st stage shock sensor has been turn off.

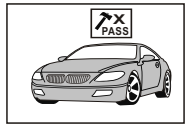
Press button once again, within 8sec. the system will give 3 short chirps and 3 lights flash, thus the 2nd stage shock sensor has been turn off.

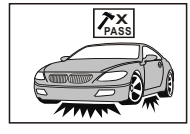
If press button once (at 3 times) again within 8sec. of arming the shock sensor will turn ON again.

1st stage sensor bypass.

2nd stage sensor bypass.

2-way LCD display:





Note: - if remote sensor bypassed, it will be detected again by next arming.
- if armed with silent mode, to operate sensor bypass will only indicate by lights flash.

- Car search mode:

The system provide a feature to easy find your car position, simply press button once when in armed after 8sec. The system will respond by 5 chirps and 5 lights flash.

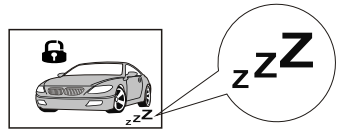
-Comfort /window close :

This channel "White/black wire" is a negative (-500mA) output features, this feature can be controlled **" window close when arming".** This function will constant output for 30sec. When arming the system. **Note:** sensor will be bypassed when this channel is activating.

- Valet mode:

To enter valet mode: Disarm the system and turn Ignition switch to ON position then press button + for over 2 seconds, or press Valet/over-ride switch for over 5 seconds, until siren give 1 long with 1 short chirp and LED light ON to confirm the system is in valet mode.

2-way LCD display:



Note:
Under Valet mode, each time turn Acc off , the siren will give 2 chirps for notification.

When the system is in the valet mode it can not be armed. The door lock and unlock will function as keyless entry system.

To exit valet mode:

Turn Ignition switch to ON position , then press button + for over 2 seconds, or press Valet/over-ride switch for 5 seconds. You will hear siren provide 1 long with 2 short chirps and LED light OFF to confirm exit this mode and in alarm mode. The 2-Way remote will respond 1 long and 2 short beeps.

- Ignition controlled door lock/unlock(programmable):

If programmed with this feature, turn Ignition ON after 10 seconds the doors will auto locked , but within this 10 seconds the door has been opened this feature will bypassed, till next time of ignition on.

When turn Ignition OFF, the doors will unlock for take off, if programmed with ignition off door unlock.

Note: You may manage lock and unlock doors in ignition on position by short pressing button to lock door or pressing to unlock door.

- Channel -4 (-) output (programmable):

This channel Yellow/black wire" is a negative (-500mA) output features, this feature can be controlled **" 2nd stage door unlock / Remote latched ".**

2nd stage door unlock:

If programmed with the feature , to operate it by press button at 2nd time , 2nd stage door unlock will be output for passenger side .

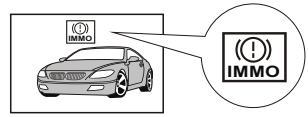
Remote latched:

If programmed with the feature, to operate it when ignition off, press button + for over 2 seconds, siren will give 1 chirp and the Channel will constant output.

To exit by ignition off and press button + over 2 seconds, siren will give 2 chirp and the channel will stop output.

- Passive immobilizer (programmable):

If programmed with this function, when turn off ignition switch for 30 seconds or you open and close the door, it will disable the engine starter right way . The LED will flash twice per second.

2-way LCD display: 

+ One beep sound

Exit: To disarm this function by (1) simply press button once. LED off.
Note: Under this mode, if ignition force been turn ON, siren will give 1 long + 1 short chirps warning, 10 seconds later will activate the alarm, the 2 way remote will indicate Anti car-jack icon and warning sound. To disarm it with programmed "Valet SW or PIN code " feature. (Please see Emergency disarm.)

- Arming without Remote control:

This function gives you a possibility to Arm and Disarm the system without remote control.
Note: if programmed with Passive arm feature, this feature will not activated.

- To activated arm without Remote control:
(1) After driving and ignition keep ON.
(2) Open a door, and keep it opened.
(3) Turn ignition OFF and within 10 seconds. press Valet switch once.
(4) within 15 seconds, close door, the system will arm immediately.

- Disarm without Remote control:
Delay of alarm only available to activate while you have successfully enter into Arm W/O RC mode ., within 20 seconds after opened the door or trunk switch. It allows you after opening the door, to seat in to the car and enter 1st digit of PIN code. (10 seconds delay time for Ignition turn on to set 1st PIN code). If within (10) seconds you didn't enter 1st digit PIN code or insert wrong PIN code , the system will alarming., To re-set the system may required only 2 digit PIN CODE (See "How to use your PIN code").
If programmed without PIN code, to disarm it by turn ignition on then press and hold the Valet switch for over 5 seconds.

Note: To exclude unauthorized entering in to the car, pager output will activate immediately after opening the door despite of the switched on delay of alarm mode.

- 2 step disarm:

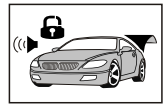
This system offers 2 step disarm. It's a feature that make it possible to silence and reset the system while it is triggering, without disarming the system. If the system is triggered and the siren has been sounding, pressing any button once on the remote transmitter will stop the trigger and return the unit to the armed state.

Note: Under system triggering, if press any button of 2-way remote once , the remote will stop the beep sound and LCD display will indicate the intrusion icon for 2sec. Press any button again to stop alarm triggering.

- Remote trunk open:

Simply press and hold button over 2 seconds, the channel will output for 1 second pulse , to open the trunk. When armed if remote trunk open or close, the system will give one light flash and the 2-way remote will give one beep sound. The 2-way LCD display icon as under:

2-way LCD display :



Note: (1) Ignition ON does not allow to remote trunk open, unless one door is opened.
(2) Armed, if trunk opened over 1 minutes, the 2-way remote will give pre-warn beep sound.

Note: If trunk has been remote opened in arming position, trunk switch will delay sensing for 5 seconds, and the shock sensor will be bypassed.

- Channel-5 (-) output(programmable):

This channel "Gray/black wire" is a negative (-500mA) output features, this feature can be controlled **" Dome light output / Arm W/Engine running/ Turbo mode) ".**

Dome Light:

If programmed with the feature , the channel will constant output 30sec. when disarming . Turn ignition switch ON will stop the channel output.

Arm W/Engine running:

If programmed with the "Arm W/Engine running, this feature for the car to keep engine running after arriving at your destination.

To operate this feature by pressing for 2sec. while driving or ignition ON , the siren will give one chirp and the LED will start flashing Green color, at the time the system is in standby mode, the owner must follow under process to activate the "Arm W/Engine running " mode.

(1) Within **30sec**. Turn Ignition OFF (engine still keep running), open and close door to leave the car.

Note: If within this 30sec. not leave the car by door open close, will exit the mode.

(2) While leaving the car by open and close the door, within 15sec. :

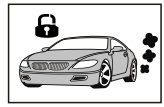
➢ if press button once, to enter engine running mode without time limited.

➢ if press button once, to enter engine running mode with time limited.

While the system in engine running mode , The parking lights will flash once every 5 sec., and the status LED will flashing Green color.

The 2-Way remote will respond under icons flashing as long as turbo time finished.

2-way LCD display :



Note:

(1) After leaving the car, within 15sec. If press wrong button will exit mode.
(2) After leaving the car, within 15sec. If without press button will exit mode automatically.

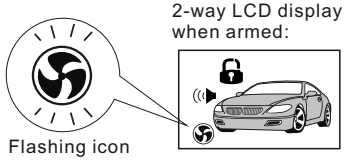
Exit mode :

Pressing button once of the remote control within engine running mode , the system will delay 30 seconds and exit turbo mode, this delay time is allow the user using the key turn ignition on without stop the engine running.

NOTE: 1. In engine running mode, the sensor zone trigger will be bypassed.
2. In engine running mode, if door, hood or trunk has been triggered, engine will stop running and alarming the system, simply press button to disarm .

Turbo mode:

If programmed , the CH-5 channel will constant output when ignition turn on 1 minutes. It will keeps the engine running after arriving at your destination by ignition off for a programmed time 1/ 3/ 5/ 10 minutes. This allows the system's timer to conveniently cool down the turbo after you have left the vehicle.



NOTE:
you may disable this turbo mode after ignition turn off ,by press button ⏏ once, the CH-5 will stop outputting.

Note: in turbo mode time , if arming the system, sensors will be bypassed and LED flashing Green color for a programmed turbo time.

Important: Turbo mode should be used only in open areas. Never start and run the vehicle in an enclosed space such as a garage or carport.

- Channel-6 (-) output(programmable):

This channel "Brown/black wire" is a negative (-500mA) output features, this channel can be programmed : **(1)-** Arming output 1~120sec. **(2)-** Press button 🔒 + Ⅰ output 1~120sec.

(1)- Arming output 1~120sec. if programmed, this channel will activate when arming, the output timing can be programmed from 1 to 120seconds.

(2)- Press button 🔒 + Ⅰ output 1~120sec. If programmed, to operate this channel by press button 🔒 + Ⅰ for over 2sec. This channel will constant output for programme time.

Note: When this channel is outputting, if press button 🔒 + Ⅰ once, it will stop outputting.

- Channel-7 (-) output(programmable):

This channel "Black/white wire" is a negative (-500mA) output features, this channel can be programmed : **(1)-** Disarming output 1~120sec. **(2)-** Press button ⏏ + Ⅰ output 1~120sec.

(1)- Disarming output 1~120sec. if programmed, this channel will activate when disarming, the output timing can be programmed from 1 to 120seconds.

(2)- Press button ⏏ + Ⅰ output 1~120sec. If programmed, to operate this channel by press button ⏏ + Ⅰ for over 2sec. This channel will constant output for programme time.

Note: When this channel is outputting, if press button ⏏ + Ⅰ once, it will stop outputting.

- Red/black programme (+) input:

This red/black (+) positive input can be programme three feature as:

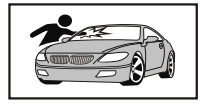
- Reverse warning : If programmed , connect to the (+) reverse back light. when you are reversing your car the siren will give a short warning chirp every one second.

Note: you can proceed the Reverse warning without siren chirps : (1) when you activated the Disarm w/o chirp before Ignition On. (2) when you reversing the Car simply press the button ✻ once.

- Head warning : If programmed , connect to the (+) head light . This feature will provide pre-warning chirps if you forgot to turn off the head light while leaving the car.

- Extra sensor (knock sensor) : If programmed , connect to the (+) optional extra sensor (knock sensor). This feature will paging the 2way remote while trigger the sensor.

2-way LCD display :



+ Melody sound

- Siren chirps ON/OFF (programmable):

This programme feature controls the chirps that confirm the arming , disarming and intrusion alert of the system.

Note: Set siren chirp off, if door, hood or trunk not closed, siren will activated.

- Status LED timer:

If the alarm system armed after 24 hours, the LED will blink shortly once per second.
Armed after 25~48 hours, the LED will blink shortly once every 3 seconds.
Armed after 48 hours, the LED will blink shortly once every 5 seconds.

- Power disconnecting memory :

Alarm is built in memory on main unit. Generally, after alarm power is cut off and reconnect, main unit will read back these data make the alarm to resume. When in disarm, arm or valet mode position, power off then on , alarm will read back original position.

Note: while power on of the system, the parking lights will flash twice for indication.

- Emergency reset switch: (for installer only)

If the remote has been lost or damage, or forgot the PIN code number the owner can enter the car by using the key. It will act the alarm. To disarm the alarm turn ignition on and connect "reset switch" for over 2sec. , it will disarm the alarm immediately. (Please ask your installer this reset switch location).

Note: after this emergency reset activated, the PIN code will resumed factory setting PIN code **" 2 . 5 "**

Emergency disarm (Valet SW & PIN code):

If the remote control has been lost or damaged, you can manually disarm your system by programmed " Valet SW or PIN code":

Emergency disarm by Valet Switch :

(1) Turning the Ignition switch from OFF to ON position.
(2) Simply pressing and holding the Valet switch for over 3 seconds, the system will disarmed immediately.

Emergency disarm by PIN code :

(**The system's factory-set PIN code is "2 . 5"**)

(1) Turning the Ignition switch from OFF to ON position.
(2) The LED will start flashing, the times of LED flashing is according to the 1st PIN code numbers.
(3) While the LED flashing 2 times then turning the ignition switch to the OFF position, thus the 1st PIN code has been inserted.
(4) Turn the ignition to ON again, the LED will start flashing again, while flashing 5 times then turning the ignition the OFF position, thus the 2nd PIN code has been inserted.
(5) After 2 digit PIN code has been correctly inserted, the system will disarmed immediately and siren will give 4-short chirps.

NOTE: Each cycle of alarm triggering is only provide one time to set PIN code, otherwise the owner must wait next cycle triggering and then set PIN code again to disarm the system. If the owner forgot the PIN code number, must use "Emergency reset switch " to reset the alarm system (please see "Emergency reset switch").

Anti Car-Jacking mode:

This feature will protect your vehicle in the event that there is an attempt to Hi-jack the vehicle. The system provide two ways to activate the Anti car-jacking mode if programmed. While system is trigger anti-car jack mode, lights will flash once and the LED will fast flashing to show the system is enter anti-car jacking mode. see "anti-car jack mode table".

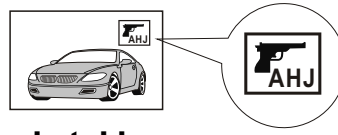
Remote activates:

If programmed, to operate it when driving the car (ACC ON), press button + for 2 sec. The parking lights will flash once and the LED will fast flash to show the system is entering anti car-jack mode.

Door switch activates:

If programmed, to operate it when driving the car, if a door is forced been open and close, the system will activate Anti-car jack immediately. The parking lights will flash once and the LED will fast flash to show the system is enter anti car-jack mode.

2-way LCD display:

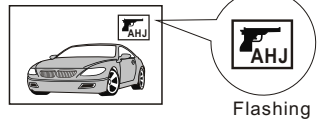


-Anti car-jack mode table:

If enter anti car-jack mode, Parking lights will flashing once and the LED will fast flashing to show the system is enter anti car-jack mode.

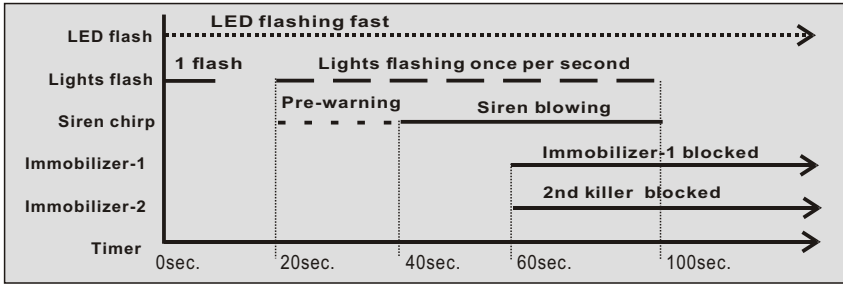
While proceed at 60sec. main unit sends signal to the 2-Way remote and respond flash AHJ icon give melody sound.

2-way LCD display:



+ melody sound

Flashing

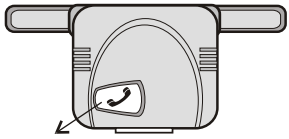


Exit Anti car-jack mode:

1- Within 60sec: After entering this mode, simply press any button of the remote control in ACC on position, siren will give 4 chirps and LED will off to confirm exit this anti car-jacking mode. 2-way remote will give 2 beep sound.

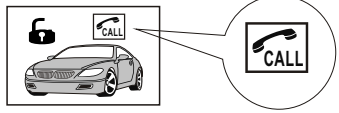
2- After 60sec: To exit this mode with programmed Valet SW or PIN code , please see (Emergency disarm by Valet SW & PIN code).

R.F Antenna CALL SWITCH :



Call switch

The R.F antenna module provide a switch which can be send a signal to the 2-way remote.
In disarmed or ACC on position, if press Call switch for 2 seconds, lights will flashing 5 times and the 2-way remote will give pre-warn beep sound. The vehicle page mode icon displays when the alarm module is paging the transceiver.



Set your own PIN code :

The system provide 2 digit PIN code and it can be programme your own PIN code.
Whenever you set your own PIN code of the system, the procedures are as following:

1. Enter Valet mode, the LED on status.

2. Keep a door opened.

3. Turning ignition switch ON to OFF for 3 times within 10sec., and steady in OFF position, siren will provide 1 long chirp.
(Each time ignition switch turned off, siren will give 2 chirps for indication)

4. Now you have insert your former (old) PIN code to release this programming mode. For example your old PIN code is "2.5", turn ignition ON, LED start flashing (the times of LED flashing is according to the 1st PIN code), While LED flashing 2 times then turn ignition OFF, thus the 1st PIN code entered.
Turn ignition ON again, LED start flashing, while it flashing 5 times then turn ignition OFF, thus the 2nd PIN code entered.
If the 2-digits PIN code entered correctly, the siren will provide 2 long chirp and LED off. System now is in the new PIN code programming mode.
Note: If enter not correct PIN code, siren will give 2 short chirps and exit this mode and back to Valet mode. Please repeat procedure step # 4 again.

5. Follow from 2-long chirp, the system under new PIN code setting mode.
Suppose to set new PIN code: (3. 8)., Turn ignition to ON , at time the LED will start flashing (the times of LED flashing is according to the 1st PIN code), While LED flashing 3 times then turn ignition OFF, thus the 1st PIN code been programmed.
Turn ignition to ON again, LED start flashing, while it flashing 8 times then turn ignition OFF, thus the 2nd PIN code been programmed.

6. At the time system of Led will indicating to identify the New Pin code. 3.8 (3 flash Pulse then 8 flash). Siren will give 2 short chirps to identify the new PIN has been programmed.

7. Then system existed new pin code setting and return back to the Valet mode.

Transmitter programming:

This programming features is provide the owner to learn the new transmitter into the system memory. This system can expand 4 different transmitters, and comes from factory with two transmitters already programmed into the system memory (1-way & 2-way) .
Whenever you want to add or delete transmitter code , the procedures are as following:

1. Enter Valet mode, the LED on status.

2. Keep all door closed.

3. Turning ignition switch ON to OFF for 3 times within 10sec. , and steady in OFF position, siren will provide 3 long chirp.
(Each time ignition switch turned off, siren will give 2 chirps for indication)

4. Now you have insert your former (old)PIN code to release this programming mode.
For example your old PIN code is "2.5", turn ignition ON , LED start flashing (the times of LED flashing is according to the 1st PIN code), While LED flashing 2 times then turn ignition OFF, thus the 1st PIN code entered. Turn ignition ON again, LED start flashing, while it flashing 5 times then turn ignition OFF, thus the 2nd PIN code entered.
If the 2-digits PIN code entered correctly, the siren will provide 1 long chirp and the LED will flashing fast to indicate that the system is in Learning mode.
Note: If enter not correct PIN code, siren will give 2 short chirps and exit this mode and back to Valet mode. Please repeat procedure step # 4 again.

5. Follow from 1-long chirp, LED flashing fast, It's available to learn the new transmitter into the system by press any button once of the new transmitter, siren will give 1-long and 1-short chirps to indicate the first transmitter code learn into the system memory.
To learn the 2nd,3rd,4th new transmitters, simply press any button once on the each transmitter, the numbers of siren short chirps is according to the numbers of the new transmitters learn into the system memory . (Each time learning new code of remote, the old code will be erased, hence you have to learn again.)

6. To exit this programming mode, if there is no new transmitters button been pressed, turn ignition to ON or within 20 seconds without any button pressed , siren will give 2 short chirps and back to the Valet mode.

Programme mode features:

Many of the operating settings of this unit are programmable. The programmable mode setting dictates how the unit operates.

To enter programme mode and access Feature Change:

1. Disarmed the system, turn ignition from ON to OFF, within 10 seconds press valet Switch ON-OFF for 5 times.

2. Siren will 2 long and 2 short chirps. Then turn the ignition switch to ON, and LED will steady ON to confirm the system is in programme mode.

3. To press the **button :** select the item number , each time the button is pressing, siren will give a different chirps sound to confirm.

4. To press the **button:** select the feature status, press the button , siren will give short chirp to confirm the feature has been programmed.

Exit programme mode:

Under programming mode, if turning Ignition to OFF , the system will exit the programming mode and siren will give two short chirps .

PROGRAMME FEATURES TABLE:

Press Item NO: LED flash	Siren chirp confirm	FEATURES	Press once 1-chirp	Press twice 2-chirp	Press 3 times 3-chirp	Press 4 times 4-chirp
1		**Ignition controlled doors lock**	***W/I**	W/O		
2		**Ignition controlled doors unlock**	***W/I**	W/O		
3		**Automatic re-arm**	W/I	***W/O**		
4		**Siren & Horn pulse output**	***Siren**	Horn		
5		**Arm / Disarm siren chirp on/off**	***ON**	OFF		
6		**Passive arming & door lock**	W/I With door lock	W/I Without door lock	***W/O**	
7		**Passive immobilizer**	W/I	***W/O**		
8		**Anti car-jack by Remote activation**	W/I	***W/O**		
9		**Anti car-jack by Door switch activation**	W/I	***W/O**		
10		**CH-4 (2nd stage unlock / Remote latched)**	2nd stage unlock	***Remote latched**		
11		**Manage Door lock/unlock (Time/Pulse)**	***0.8sec.**	4sec.	2pulse unlock	Lock 30sec. Unlock 0.8sec.
12		**Door switch arming delay 3 / 45 second**	***3sec.**	45sec.		

for siren short pulse

for siren long pulse

Press Item NO: LED flash	Siren chirp confirm	FEATURES	Press once 1-chirp	Press twice 2-chirp	Press 3 times 3-chirp	Press 4 times 4-chirp
13		1-way Reminder disarm status to 2-way	*W/I	W/O		
14		CH-5 (Dome light/Engine run/Turbo mode)	Dome light	*Arm With Engine running	Turbo mode	
15		Turbo mode & Arm with engine runing time setting	*1 minute	3 minute	5 minute	10 minute
16		Emergency disarm by (Valet SW/ PIN code)	*Valet SW	PIN code		
17		1st-stage sensor trigger W/2way report	*W/I	W/O		
18		Ignition turn ON W/2way report	W/I	*W/O		
19		Red/black wire optional (+) input	*Reverse warning	Head light warning	Extra sensor (knock sensor)	
20		CH-6 { Arming output 1~120sec.. / Press button + output 1~120sec.	Press button once , siren will give 1 chirp and also in counting time , after your desire time if press button : ➤ If press button once, siren will give 1 chirp for programme time when arming/disarming , then siren will give 1 long chirp to indicate jump to next item. ➤ If press button once, siren will give 1 chirp for programme time by press buttons to activate, then siren will give 1 long chirp to indicate jump to next item.			
21		CH-7 { Disarming output 1~120sec.. / Press button + output 1~120sec.				
22		Factory default	Press button once, siren give 2 long chirp and all features back to factory default.			

W/O : means without the feature **W/I** : means with the feature

Note: ✱ means factory default setting before delivery.

System Installation:

1. Thoroughly read and become familiar with the installation instructions before beginning the installation.
2. Review system contents: (1). A control module. (2).2-way pager transceiver antenna (3). One 5-button 2-way LCD remote transmitter.
   (4).One 3-button or 4-button random code remote transmitter
   (5).Dual stage shock sensor (6).High output 6-tone siren (optional)
   (7).Status LED indicator (8).Valet over-ride switch
   (9).Harness:
   . 20-Pin main harness . Two 4-pin shock sensor harness
   . 6-pin transceiver harness . 2-Pin dual color LED harness (optional)
   . Valet/over-ride switch harness . 6-PIN Central door lock harness
3. Verify with the owner, the mounting location for all visible components, including the LED and Valet/over-ride switch.
4. Verify with the owner, the optional programme features.
5. Inspect and perform a function test for all vehicle systems before and after the installation.
6. Always use a Volt / Ohm meter for testing vehicle circuits. Never use a test light.
7. Always look before drilling any holes or mounting self-tapping screws. Be sure fuel lines and exterior wiring looms are clear as they often close to the chassis and difficult to see.
8. Protect all wires running from the engine compartment to the interior of the vehicle by covering with electrical tape and split loom tubing. Be sure to use a grommet when routing wires through the firewall.
9. Properly fuse any additional accessories such as window module, trunk opener, etc., making sure to power them separate from the alarm module. This will ensure the functionality system in the event of an accessory failure.

Mounting the Control Unit

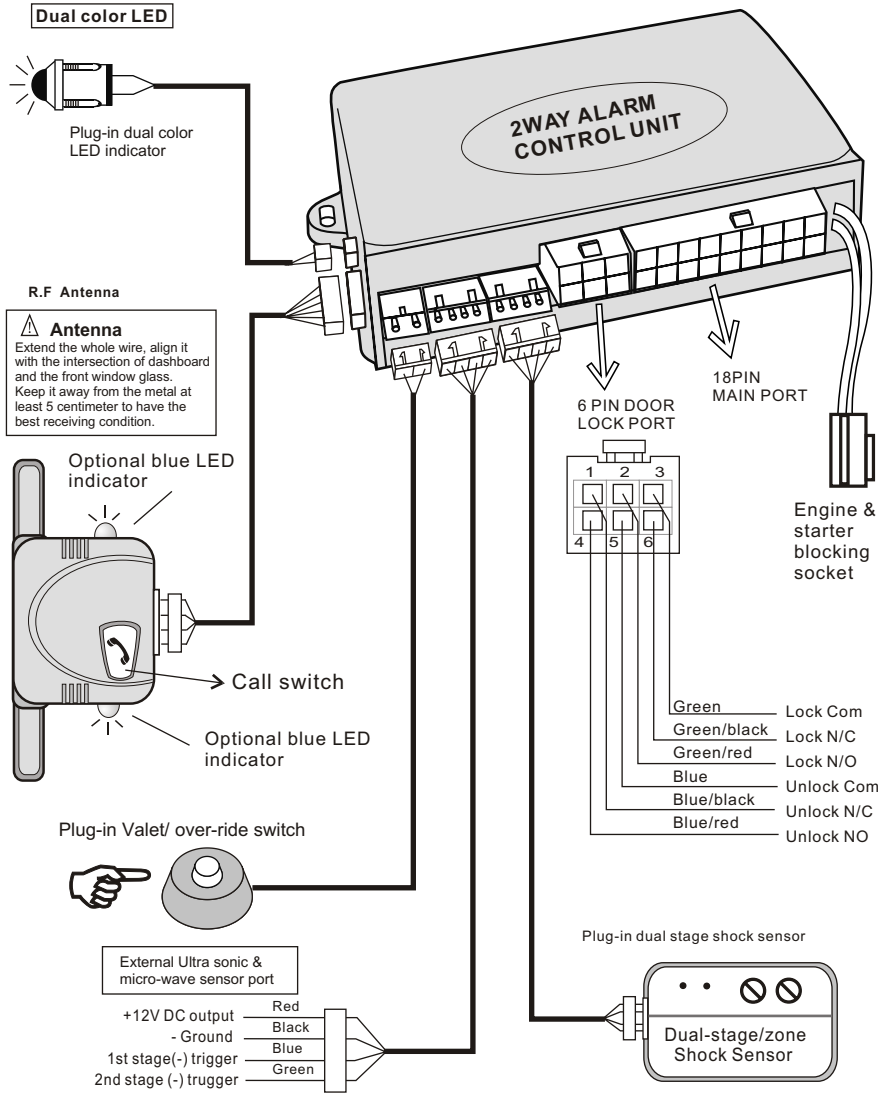
The control unit only be mounted in the inter of the vehicle. Do not mount the main unit in the engine compartment. Choose a mounting location that will not be easily accessible to a thief, and will not interfere with the operation of any vehicle components, such as foot pedal, steering column, air vents, seat rails, etc.

Do not mounting the control unit until after setting the internal jumpers and performing a complete operation check of the system. After installation is complete and performance verified, the control unit can be easily mounted using wire ties through the mounting tabs on the button of the unit.

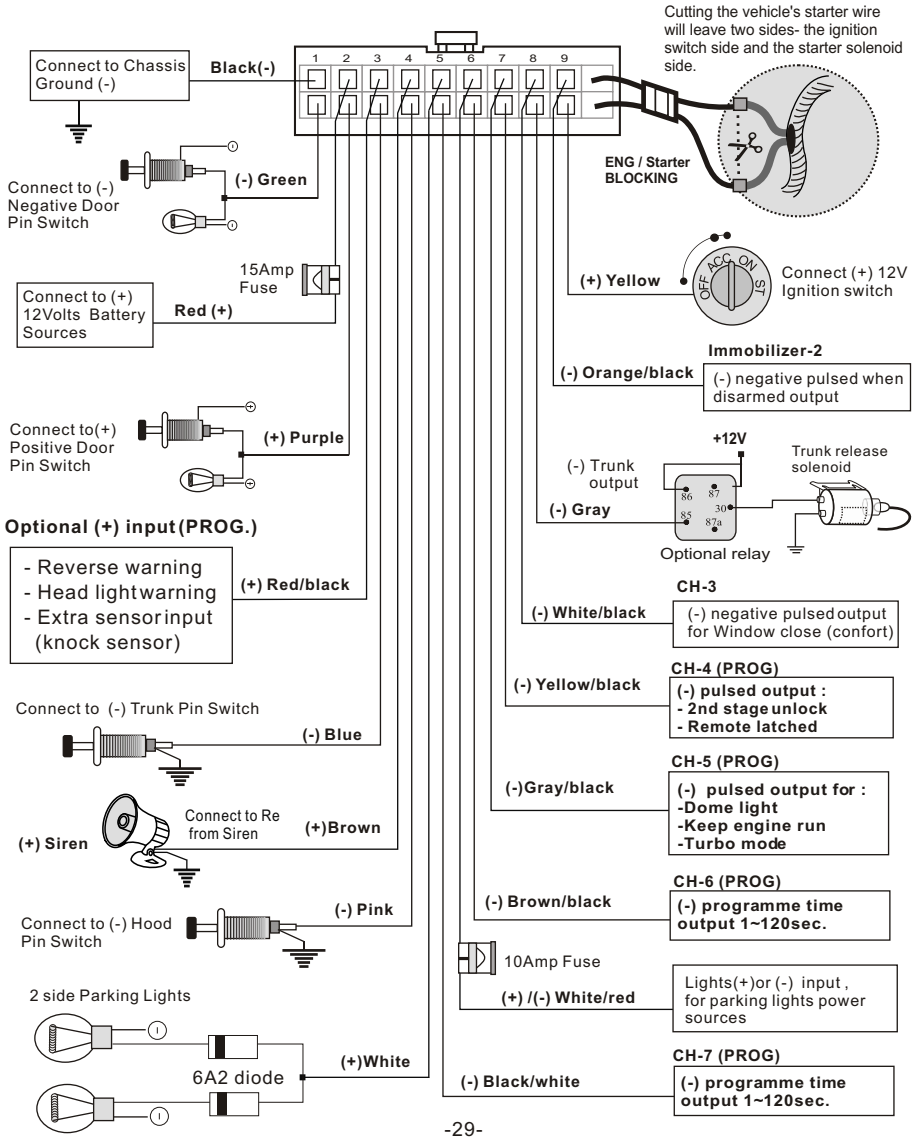
Mounting the Shock Sensor

Choose a suitable interior mounting locating for the shock sensor that provides ample coverage of the vehicle. Keep the sensor away from the vehicle's ECM or other sources of the electrical interference. Suggested mounting locations include air conditioning ducts, dashboard braces, or center console supports.
During proper operation, the shock sensor will detect impacts to the vehicle only and will not usually br triggered by slow rocking movements of the vehicle like those caused by wind.

WIRING DIAGRAM

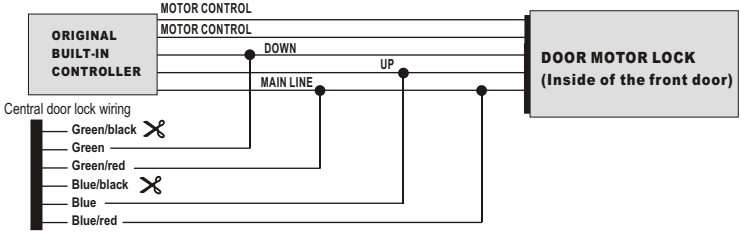


20 PIN MAIN PORT WIRING DIAGRAM

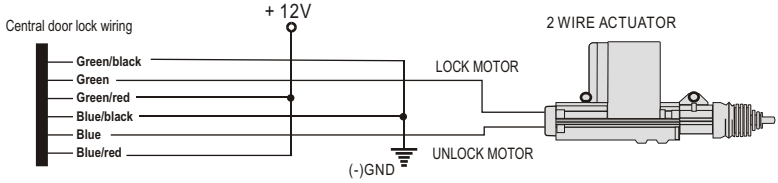


Central door lock wiring:

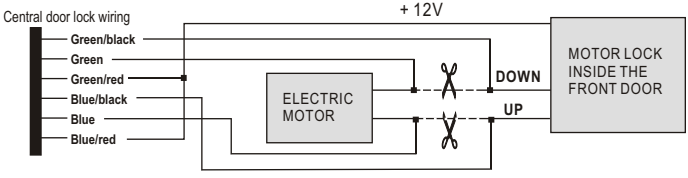
1.) For Factory installed central door lock system



2.) Directly connect to 2 wire Actuator



3.) A built-in Central door lock with electric lock switch(like: CHRYSLER..)



4.) For vacuum type central door lock system (like : Mercedes Benz , AUDI..)